

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

The knowledge and skills of our employees in the fields of calibration equipment, vibration and shock exciters, services and customised measuring and testing systems are mutually utilised and multiplied. Together with the experience from our own service sector, product solutions are developed that give us and our customers a joint advantage in the market.

Many special customer requirements for our products have later resulted in standard products that enrich our product and service range. In the field of lightweight construction, SPEKTRA offers structural and modal analysis to investigate the behaviour of structures when subjected to force. From their evaluation, insights can be gained as to how the architecture can be optimised to withstand the environmental conditions.

Heidelberger Str. 12  
01189 Dresden  
Saxony  
Germany  
[www.spektra-dresden.com](http://www.spektra-dresden.com)



**Organisation type**  
Small or medium-sized enterprise

**Sectors**  
 Others: Hersteller und Dienstleister von Mess- und Prüftechnik

**Employees**  
50 up to 249

**Turnover**  
€2m - €10m

**Funding**

**Main areas covered**  
Structural analysis, Modal analysis

**Infrastructure**  
Calibration, Environmental test, Modal analysis, Structural analysis, Sensor characterisation

**Certifications**  
ISO 9001, ISO 17025

**Keywords**  
Environmental assessment, Characterisation, Modal analysis, Calibration

**Memberships**  
AMA, Silicon Saxony, ISO, DIN, DKD

## Overview of lightweighting expertise

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|                                                                                                                                                  | Research | Development | Manufacturing<br>& Supply |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------|---------------------------|
| <b>Offer</b>                                                                                                                                     |          |             |                           |
| <i>Products</i>                                                                                                                                  |          |             |                           |
| <b>Services &amp; consulting</b><br>Testing and trials, Validation, Simulation                                                                   |          | ✓           | ✓                         |
| <b>Field of technology</b>                                                                                                                       |          |             |                           |
| <i>Design &amp; layout</i>                                                                                                                       |          |             |                           |
| <i>Functional integration</i>                                                                                                                    |          |             |                           |
| <b>Measuring and testing technology</b><br>Component and part analysis, Environmental simulation, Destructive analysis, Non-destructive analysis |          | ✓           | ✓                         |
| <i>Modelling and simulation</i>                                                                                                                  |          |             |                           |
| <i>Plant construction &amp; automation</i>                                                                                                       |          |             |                           |
| <i>Recycling technologies</i>                                                                                                                    |          |             |                           |

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Research   Development   **Manufacturing  
& Supply**

#### Manufacturing process

*Additive manufacturing*

*Coating (surface engineering)*

*Fibre composite technology*

*Forming*

*Joining*

*Material property alteration*

*Primary forming*

*Processing and separating*

*Textile technology*

#### Material

*Biogenic materials*

*Cellular materials (foam materials)*

*Composites*

*Fibres*

*Functional materials*

*Metals*

*Plastics*

*Structural ceramics*

*(Technical) textiles*

## Contacts

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This organisation has been machine-translated based on data provided in German.

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